AMENDMENT

Amendments to the Claims

1(Currently amended). A multicarrier communication <u>device</u> system, comprising:

a processor having an Orthogonal Frequency-Division Multiplexing (OFDM) transmitter that uses a transmitter having channel knowledge of a communication link received in a previous preamble to select a subcarrier to puncture prior to transmission.

2-4(Canceled).

5(Currently amended). The <u>device</u> system of claim 1 wherein the <u>OFDM</u> transmitter punctures the selected subcarrier to remove information and energy channel knowledge is selected from multipath fading, in band interference and active electronic devices.

6(Currently amended). The <u>device</u> system of claim 1 wherein the <u>OFDM</u> <u>transmitter punctures the selected</u> subcarrier is <u>punctured</u> by placing energy in the <u>selected</u> subcarrier without including any modulated data or information.

7(Currently amended). The <u>device</u> system of claim 1 wherein the <u>OFDM</u> <u>transmitter punctures the selected</u> subcarrier is-punctured and a Peak-to-Average Power Ratio (PAPR) of an OFDM symbol is reduced.

8(Currently amended). The <u>device</u> system of claim 1 wherein the <u>OFDM</u> <u>transmitter punctures the selected</u> subcarrier is-punctured by placing no energy in the <u>punctured selected</u> subcarrier and a power level for remaining subcarriers is maintained.

9(Currently amended). The <u>device</u> system of claim 1 wherein the <u>OFDM</u> <u>transmitter punctures the selected</u> subcarrier is punctured and power is redistributed to remaining subcarriers.

10(Currently amended). The <u>device</u> system of claim 1 wherein the <u>OFDM</u> <u>transmitter punctures the selected</u> subcarrier is punctured to avoid in-band spectral interference.

11(Currently amended). A communications device comprising:

a transceiver; and

a processor having a puncture block that receives channel knowledge a transmitter having channel knowledge of a communication link <u>subcarrier channel in a prior preamble that is used</u> to select a <u>sub</u>carrier to puncture prior to transmission <u>by</u> the transceiver.

12(Currently amended). The communications device of claim 11 wherein the <u>puncture block punctures the sub</u>carrier is-punctured by placing energy in the <u>sub</u>carrier without including any modulated data or information.

13(Currently amended). The communications device of claim 11 wherein the <u>puncture block punctures the sub</u>carrier is-punctured and a Peak-to-Average Power Ratio (PAPR) of a symbol is reduced.

14(Currently amended). The communications device of claim 11 wherein the <u>puncture block punctures the sub</u>carrier is <u>punctured</u> by placing no energy in the punctured subcarrier and a power level for remaining subcarriers is maintained.

15(Currently amended). The communications device of claim 11 wherein the <u>puncture block punctures the sub</u>carrier is <u>punctured</u> and power is redistributed to remaining <u>sub</u>carriers.

16(Currently amended). The communications device of claim 11 wherein the puncture block punctures the subcarrier is punctured to avoid in-band spectral interference

17(Original). A system comprising:

an analog transceiver having at least one receiver chain to demodulate a subcarrier;

a processor coupled to the at least one receiver chain to select a subcarrier to puncture prior to transmission based on channel knowledge of a communication link; and

a Static Random Access Memory (SRAM) memory coupled to the processor.

18(Original). The system of claim 17, wherein the processor further includes: an Orthogonal Frequency Division Multiplexing (OFDM) transmitter having a carrier puncturing circuit with an input to receive channel knowledge information.

19(Original). The system of claim 18 wherein the carrier puncturing circuit receives channel knowledge information about in-band spectral interference to puncture a subcarrier.

20(Original). The system of claim 17 wherein the processor further includes: an Orthogonal Frequency Division Multiplexing (OFDM) receiver having a carrier depuncturing circuit that receives information about subcarriers to skip.